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ROYAL ONTARIO MUSEUM OF PALAEONTOLOGY



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No. 7 CATALOGUE OF TYPES IN THE ROYAL ONTARIO  
MUSEUM OF PALAEONTOLOGY  
By MADELEINE A. FRITZ

PART III

SEPTEMBER, 1943





CATALOGUE OF TYPES IN THE ROYAL ONTARIO MUSEUM  
OF PALAEOONTOLOGY

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PART III

Two parts of the Catalogue of Types in the Royal Ontario Museum of Palaeontology have already been published. They constitute Contributions No. 5 and No. 6 of the Royal Ontario Museum of Palaeontology. These issues deal with biological groups ranging from the *Porifera* to the *Bryozoa* inclusive. In Part III, the present issue, which represents Contributions of Royal Ontario Museum of Palaeontology No. 7, the *Brachiopoda* are recorded.

The form of the catalogue is similar to that used in Parts I and II. That is to say in considering each type the current generic and specific name appears in capital letters at the left side of the first line. The species name is followed by that of the original author, and it in turn by the particular kind of type represented, together with the number of specimens. In certain instances where the specific name has been changed the original name is indicated in italics on the second line. Then follow in order the literature reference or references, general geological age and more specific geological horizon, the locality, and the catalogue number. It will be noted that both genera and species are arranged alphabetically.

A large number of the types dealt with in this Part belong to the George F. Matthew Collection of Cambrian Fossils, which was presented to the Museum in 1904 by Sir Wm. Mackenzie.

In working over these types many difficulties were encountered. For instance, in Matthew's time it will be remembered that it was not the custom to differentiate among type specimens to the extent that it is now. In consequence, many of the specimens were designated merely as "types" by the author. Again, much of the material is unsatisfactory and poorly preserved. Furthermore, many of Matthew's illustrations appear to be composite drawings. In view of these circumstances it has not always been possible to identify the specimens with the original descriptions and illustrations. In certain instances where neither holotype nor paratypes were indicated by Matthew such specimens are regarded as cotypes. It is quite possible that some of these so-called cotypes may be heautotypes, metatypes, or topotypes.

In connection with the Matthew Collection it may be added that, besides the primary types listed here, a considerable amount of metatype and other comparative brachiopod material is also present.

The next Part of the Catalogue of Types in this Museum, which will appear at a later date, will deal with the various classes of *Mollusca*.

## BRACHIOPODA

- ACROTHELE ABAVIA Matthew -- Cotypes 21  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 398, pl. XVI, figs. 3, 4.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7804.
- ACROTHELE AVIA Matthew -- Cotypes 5  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
 p. 202, pl. III, figs. 1a-h.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8360.
- ACROTHELE AVIA Matthew -- Cotypes 11  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
 p. 202, pl. III, figs. 1a-h.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7805.
- ACROTHELE AVIA Matthew -- Cotypes 7  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
 p. 202, pl. III, figs. 1a-h.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7776 (slab).
- ACROTHELE AVIA PUTEIS Matthew -- Cotypes 8  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 398, pl. XVI, figs. 5a, b.  
 Lower Cambrian, Etcheminian.  
 Gregwa brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7801.
- ACROTHELE AVIA PUTEIS Matthew -- Cotypes 5  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 398, pl. XVI, figs. 5a, b.  
 Lower Cambrian, Etcheminian.  
 Gregwa brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7798.

- ACROTHELE AVIA PUTEIS Matthew -- Cotypes 3  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 398, pl. XVI, figs. 5a,b.  
 Lower Cambrian, Etcheminian.  
 Gregwa brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8793.
- ACROTHELE MATTHEWI (Hartt) -- Plesiotypes 6  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. III,  
 Sect. IV, 1885, p. 39, pl. V, figs. 15,15a.  
 Middle Cambrian, Acadian.  
 St. John, New Brunswick.  
 Plesiotypes - Roy. Ont. Mus. Pal. 8143.
- ACROTHELE MATTHEWI LATA Matthew -- Cotypes 12  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. III,  
 Sect. IV, 1885, p. 41, pl. V, figs. 17,17a.  
 Middle Cambrian, Acadian.  
 Porter's brook and Caton's island, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 8144.
- ACROTHELE MATTHEWI MULTICOSTATA Matthew -- Cotypes 3  
 Matthew, G.F., Trans. Roy. Soc. Can., 2nd series,  
 Vol. III, 1897, p. 168.  
 Middle Cambrian, Acadian.  
 Porter's brook, St. Martins, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7787.
- ACROTHELE NITIDA (Ford) -- Plesiotype  
*Obolella nitida* Ford  
 Matthew, G.F., Trans. N.Y. Acad. Sci., 1895, p. 125.  
 Middle Cambrian, Acadian.  
 Hanford brook, St. Martins, New Brunswick.  
 Plesiotype - Roy. Ont. Mus. Pal. 8551.
- ACROTHELE PRIMA Matthew -- Cotypes 3  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. III,  
 Sect. IV, 1885, p. 41, pl. V, figs. 16,16a.  
 Middle Cambrian, Acadian.  
 Hanford brook, St. Martins, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7786.

ACROTHELE PRIMA COSTATA (Matthew) -- Cotypes 8  
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,  
1895, p. 128, pl. V, fig. 9.  
Middle Cambrian, Acadian.  
Hanford brook, St. Martins, New Brunswick.  
Cotypes - Roy. Ont. Mus. Pal. 7810.

ACROTHELE PROLES Matthew -- Cotypes 9  
Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
p. 400, pl. XVII, figs. 3a-e.  
Lower Cambrian, Etcheminian.  
Dugald brook, Escasonie, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7808.

ACROTHELE PROLES Matthew -- Cotypes 2  
Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
p. 400, pl. XVII, figs. 3a-e.  
Lower Cambrian, Etcheminian.  
Dugald brook, Escasonie, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7784.

ACROTHYRA PROAVIA Matthew -- Cotypes 19  
Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
p. 386, pl. XIV, figs. 2a-g; 3a-f.  
Lower Cambrian, Etcheminian.  
Dugald brook, Escasonie, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7807.

ACROTHYRA PROAVIA CRASSA Matthew -- Cotypes 2  
Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
p. 389, pl. XIV, figs. 5a-c.  
Lower Cambrian, Etcheminian.  
Dugald brook, Escasonie, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 8361.

ACROTHYRA PROAVIA PRIMA Matthew -- Cotypes 12  
Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
p. 389, pl. XIV, figs. 4a-e.  
Lower Cambrian, Etcheminian.  
Dugald brook, Escasonie, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7740.

- ACROTHYRA SERA Matthew -- Cotypes 13  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 383, pl. XIII, figs. 3a-f.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7721.
- ACROTHYRA SIGNATA Matthew -- Cotypes 7  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 381, pl. XIII, figs. 2a-e.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7710.
- ACROTHYRA SIGNATA ORTA Matthew -- Cotypes 4  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 385, pl. XIII, figs. 4a-f.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7694.
- ACROTHYRA SIGNATA PRIMA Matthew -- Cotypes 14  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 382, pl. XIII, figs. 1a-g.  
 Lower Cambrian, Coldbrookian(?).  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7734.
- ACROTHYRA SIGNATA TARDA Matthew -- Cotypes 3  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 384, pl. XIV, figs. 1a-d.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7691.
- ACROTRETA BAILEYI Matthew -- Cotypes 17  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. III,  
 Sect. IV, 1885, p. 36, pl. V, figs. 13, 13a-c.  
 Middle Cambrian, Acadian.  
 King's county, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7831.

- ACROTRETA GEMMULA Matthew -- Cotypes 5  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. XI, Sect.  
 IV, 1893, p. 87, pl. XVI, figs. 2a-d.  
 Middle Cambrian, Acadian.  
 Hanford brook, St. Martins, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7756.
- ACROTRETA INFLATA (Matthew) -- Cotypes 6  
*Lingulella? inflata* Matthew  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. III,  
 Sect. IV, 1885, p. 33, pl. V, figs. 7-7a.  
 Middle Cambrian, Acadian.  
 Hanford brook, St. Martins, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7760.
- ACROTRETA INFLATA OVALIS (Matthew) -- Cotypes 3  
*Lingulella? inflata ovalis* Matthew  
 Matthew, G.F., Trans. N.Y. Acad. Sci., 1895, p.127,  
 pl. V, figs. 4a-c.  
 Middle Cambrian, Acadian.  
 Hanford brook, St. Martins, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 8536.
- ACROTRETA MISERA (Billings) -- Plesiotypes 2  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. III,  
 Sect. IV, 1885, p. 35, pl. V, figs. 12, 12a-e.  
 Middle Cambrian, Acadian.  
 Porter's brook, St. Martins, New Brunswick.  
 Plesiotypes - Roy. Ont. Mus. Pal. 7833.
- ACROTRETA PAPILLATA Matthew -- Cotypes 5  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 390, pl. XV, figs. 2a-f.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7693.
- ACROTRETA PAPILLATA LATA Matthew -- Cotypes 6  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 391, pl. XV, figs. 3a-c.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7903.

- ACROTRETA PAPILLATA PRIMA Matthew -- Cotypes 6  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 391, pl. XV, figs. 1a-c.  
 Lower Cambrian, Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7709.
- ACROTRETA SAGITTALIS TRANSVERSA (Hartt) - Plesiotypes 2  
 Matthew, G.F., Trans. N.Y. Acad. Sci., 1895, p.125,  
 pl. V, figs. 1a-c; 2a-c.  
 Middle Cambrian, Acadian.  
 Porter's brook, St. Martins, New Brunswick.  
 Plesiotypes - Roy. Ont. Mus. Pal. 8337.
- ACROTRETA SIPO Matthew -- Cotypes 4  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1902,  
 p. 402, pl. XVIII, figs. 1,2.  
 Lower Ordovician, Bretonian.  
 Boisdale, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7956.
- AMBOCOELIA ARCUATA Girty -- Paratype  
 Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 35, pl.  
 VI, figs. 15-17.  
 Upper Carboniferous.  
 Thomas Fork, Wyoming.  
 Paratype - Roy. Ont. Mus. Pal. 6363.
- ARCHAEORTHIS ELECTRA MAJOR (Matthew) -- Cotypes 11  
*Dalmanella electra major* Matthew  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. X, Sect.  
 IV, 1893, p. 100, pl. VII, fig. 3a-c.  
 Lower Ordovician, Bretonian.  
 St. John, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7971.
- ATRYPA LATICORRUGATA Foerste -- Plesiotypes 5  
 Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin  
 island," 1936, p. 91, pl. III, figs. 20-23.  
 Lower Silurian, Bidwell member, Cataract.  
 Manitoulin island, Ontario.  
 Plesiotypes - Roy. Ont. Mus. Pal. 7520.



ATRYPA PARKSI Williams -- Plesiotypes 3  
Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin  
island," 1936, pl. IV, fig. 11.  
Lower Silurian, Manitoulin member, Cataract.  
Manitoulin island, Ontario.  
Plesiotypes - Roy. Ont. Mus. Pal. 7519.

ATRYPA RETICULARIS (Linnaeus) -- Plesiotype  
Grabau, A.W., & Sherzer, W.H., Mich. Geol. & Biol.  
Survey, G.S. I, 1909, p. 162, pl. XX, fig. 1.  
Middle Devonian, Upper Monroe.  
Detroit river, Ontario.  
Plesiotype - Roy. Ont. Mus. Pal. 22451.

BILLINGSSELLA RETROFLEXA (Matthew) -- Cotypes 2  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," pp. 148-151.  
Walcott, C.D., U.S.G.S., Mon. 51, p. 761, pl. XC,  
fig. 1a (spec. A).  
Young (McFee's) pt., near George river, Nova Scotia.  
Lower Cambrian, Etcheminian.  
Cotypes - Roy. Ont. Mus. Pal. 8206.

BILLINGSSELLA RETROFLEXA (Matthew) , -- Cotypes 3  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," pp. 148-151, pl. X, fig. 2b (spec. B).  
Walcott, C.D., U.S.G.S., Mon. 51, p. 761, pl. XC,  
fig. 1e (spec. C).  
Lower Cambrian, Etcheminian.  
Young (McFee's) pt., near George river, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7712.

BILLINGSSELLA RETROFLEXA (Matthew) -- Cotypes 3  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," pp. 148-151.  
Walcott, C.D., U.S.G.S., Mon. 51, p. 761, pl. XC,  
fig. 1 (spec. C); fig. 1b (spec. A,B).  
Lower Cambrian, Etcheminian.  
Young (McFee's) pt., near George river, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7700.

BILLINGSELLA RETROFLEXA (Matthew) -- Cotypes 2  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," pp. 148-151, pl. X, figs. 2c,d.  
Lower Cambrian, Etcheminian.  
Young (McFee's) pt., near George river, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7724.

BILLINGSELLA RETROFLEXA (Matthew) -- Cotype  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," pp. 148-151, pl. X, fig. 2a.  
Lower Cambrian, Etcheminian.  
Young (McFee's) pt., near George river, Nova Scotia.  
Cotype - Roy. Ont. Mus. Pal. 7902.

BILLINGSELLA RETROFLEXA (Matthew) -- Cotypes 2  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," pp. 148-151.  
Lower Cambrian, Etcheminian.  
Young (McFee's) pt., near George river, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7715.

BOTSFORDIA PULCHRA (Matthew) -- Cotypes 12  
*Obolus pulcher* Matthew  
Matthew, G.F., Can. Rec. Sci., Vol. III, pp. 306-307,  
figs. 1-8.  
Matthew, G.F., Trans. Roy. Soc. Can., Vol. VII, Sect.  
IV, 1889, pp. 151-155, pl. VIII, figs. 1a-m;  
2a-c.  
Middle Cambrian, Acadian.  
Caton's island, King's county, New Brunswick.  
Cotypes - Roy. Ont. Mus. Pal. 7794.

CAMARELLA PARVA Billings -- Plesiotype  
Matthew, G.F., Trans. Roy. Soc. Can., Vol. X, Sect.  
IV, 1892, p. 103, pl. VII, figs. 9a-b.  
Lower Ordovician, Bretonian.  
Navy island, St. John, New Brunswick.  
Plesiotype - Roy. Ont. Mus. Pal. 8058.

- CAMAROTOECHIA? LATA Way -- Holotype  
Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin island," 1936, p. 87, pl. III, figs. 24-26.  
Lower Silurian, Bidwell member, Cataract.  
Manitoulin island, Ontario.  
Holotype - Roy. Ont. Mus. Pal. 7524.
- CAMAROTOECHIA NEGLECTA (Hall) -- Plesiotypes 4  
Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin island," 1936, pl. IV, figs. 8-10.  
Lower Silurian, Manitoulin member, Cataract.  
Manitoulin island, Ontario.  
Plesiotypes - Roy. Ont. Mus. Pal. 7526.
- CAMAROTOECHIA WINISKENSIS Whiteaves -- Plesiotypes 3  
Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin island," 1936, pl. IV, figs. 18-20.  
Middle Silurian, Burnt Bluff, Clinton.  
Manitoulin island, Ontario.  
Plesiotypes - Roy. Ont. Mus. Pal. 21952.
- CHONETES OSTIOLATUS Girty -- Paratypes 3  
Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 25, pl. I, figs. 12-14.  
Upper Carboniferous.  
Montpelier, Idaho.  
Paratypes - Roy. Ont. Mus. Pal. 6374.
- CHONETES OSTIOLATUS Girty -- Paratype  
Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 26, pl. I, figs. 15-17.  
Upper Carboniferous.  
Sublette range, Wyoming.  
Paratype - Roy. Ont. Mus. Pal. 6358.
- CHONETES OSTIOLATUS MINUSCULUS Girty -- Paratype  
Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 27, pl. I, figs. 18-20.  
Upper Carboniferous.  
Sublette range, Wyoming.  
Paratype - Roy. Ont. Mus. Pal. 6359.

CLORINDA MESOPLICATA (Parks) -- Cotypes 2

*Barrandella(?) mesoplicata* Parks

Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, pt. I, No. 25, 1915, p. 52, pl. III, figs. 8, 9, 10.

Middle Silurian.

Limestone rapids, Severn river, Ontario.

Cotypes - Roy. Ont. Mus. Pal. 22644.

CYRTINA LEWESENSIS Lees -- Metatypes 2

Lees, E.J., Trans. Roy. Can. Inst., Vol. XX, pt. I, 1934, p. 35.

Lewes river series, Triassic.

Yukon, Canada.

Metatypes - Roy. Ont. Mus. Pal. 24606.

DALMANELLA RUGOSTRIATA Parks & Dyer -- Cotypes 3

Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines, Vol. XXX, pt. VII, 1921, pl. VII, figs. 9, 10.

Upper Ordovician, Dundas.

Don Valley brickyard, Toronto, Ontario.

Cotypes - Roy. Ont. Mus. Pal. 17319.

DALMANELLA TRUNCATA Belding -- Cotypes 5

Belding, H.F., MSS. Univ. Tor., "Ordovician Section vicinity Rohallion, Ontario," 1941, p. 37, pl. I, figs. 7, 8, 9.

Trenton.

Dalrymple, Ontario.

Cotypes - Roy. Ont. Mus. Pal. 23343.

DELTHYRIS *sp. indet* Parks -- Holotype

Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, pt. I, No. 25, 1915, p. 53, pl. III, fig. 13.

Middle Silurian.

Limestone rapids, Severn river, Ontario.

Holotype - Roy. Ont. Mus. Pal. 22642.

DISCINOPSIS GULIELMI (Matthew) -- Cotypes 10

*Acrotreta? gulielmi* Matthew

Matthew, G.F., Trans. Roy. Soc. Can., Vol. III,  
Sect. IV, 1885, pp. 37-39, pl. V, figs. 14a-c.

Middle Cambrian, Acadian.

St. John, New Brunswick.

Cotypes - Roy. Ont. Mus. Pal. 8272.

DOLERORTHIS(?) MINUTA Shaw -- Cotypes 3

Shaw, E.W., Trans. Roy. Can. Inst., Vol. XXI, pt. 2,  
No. 46, 1937, p. 357, pl. XXIV, figs. 4, 5, 6.

Middle Silurian, Eramosa.

Guelph, Ontario.

Cotypes - Roy. Ont. Mus. Pal. 5642.

GLASSIA VARIABILIS var. nov. Whiteaves -- Plesiotypes 2

Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, pt. I,  
No. 25, 1915, p. 50, pl. III, fig. 11.

Middle Silurian.

Limestone rapids, Severn river, Ontario.

Plesiotypes - Roy. Ont. Mus. Pal. 22645.

KUTORGINA GRANULATA Matthew -- Cotypes 6

Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
pl. I, figs. 2a-d.

Lower Cambrian, Etcheminian.

Smith sound, Newfoundland.

Cotypes - Roy. Ont. Mus. Pal. 8408.

KUTORGINA? PTERINOIDES Matthew -- Holotype

Matthew, G.F., Trans. Roy. Soc. Can., Vol. III,  
Sect. IV, 1885, p. 43, pl. V, fig. 19.

Middle Cambrian, Acadian.

Hanford brook, New Brunswick.

Holotype - Roy. Ont. Mus. Pal. 8274.

LEPTAENA RHOMBOIDALIS (Wilckens) -- Plesiotypes 2

Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 33.

Upper Ordovician, Dundas.

Don Valley brickyard, Toronto, Ontario.

Plesiotypes - Roy. Ont. Mus. Pal. 17351.

LEPTAENA RHOMBOIDALIS (Wilckens) -- Plesiotype  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 33, pl. VII, fig. 12.  
Upper Ordovician, Dundas.  
Don Valley brickyard, Toronto, Ontario.  
Plesiotype - Roy. Ont. Mus. Pal. 17350.

LEPTOBOLUS ATAVUS TRITAVUS Matthew -- Cotype  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," p. 109, pl. VI, figs. 5a-c.  
Lower Cambrian, Lower Etcheminian.  
Dugald brook, Escasonie, N.B.  
Cotype - Roy. Ont. Mus. Pal. 7823.

LEPTOBOLUS GEMMULUS Matthew -- Cotypes 4  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," p. 190, pl. XIV, figs. 1a-c.  
Lower Ordovician, Bretonian.  
McLeod brook, Boisdale, N.S.  
Cotypes - Roy. Ont. Mus. Pal. 7958.

LEPTOBOLUS GEMMULUS Matthew -- Cotypes 4  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," p. 190, pl. XIV, figs. 1a-c.  
Lower Ordovician, Bretonian.  
Navy island, St. John, New Brunswick.  
Cotypes - Roy. Ont. Mus. Pal. 25650.

LINGULA NARRAWAYI Wilson -- Cotypes 3  
Wilson, A.E., Geol. Sur. Can., Bull. 33, 1921, p. 49,  
pl. III, figs. 4, 5, 6.  
Middle Ordovician, Lowville.  
Ottawa, Ontario.  
Cotypes - Roy. Ont. Mus. Pal. 18900.

LINGULA OBOLOIDES Johnson -- Holotype  
Johnson, H., MSS. Univ. Tor., "Stratigraphy and Palaeontology of the Cataract Formation," 1934, p. 91,  
pl. VI, fig. 8.  
Lower Silurian, Cabot Head.  
Credit Forks, Ontario.  
Holotype - Roy. Ont. Mus. Pal. 7412.

LINGULA cf. PROGNE Billings -- Plesiotypes 2  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 27, pl. VII, fig. 2.  
Upper Ordovician, Dundas.  
Don Valley brickyard, Toronto, Ontario.  
Plesiotypes - Roy. Ont. Mus. Pal. 17345.

LINGULA (PSEUDOLINGULA) RECTILATERALIS Emmons --  
Plesiotypes 2  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 27, pl. VII, fig. 3.  
Upper Ordovician, Dundas.  
Don Valley brickyard, Toronto, Ontario.  
Plesiotypes - Roy. Ont. Mus. Pal. 17346.

LINGULA WESTONENSIS Parks & Dyer -- Holotype  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 26, pl. VII, fig. 1.  
Upper Ordovician, Dundas.  
Humber river, Weston, Ontario.  
Holotype - Roy. Ont. Mus. Pal. 17320.

LINGULELLA ATAVA (Matthew) -- Cotypes 5  
*Leptobolus atavus* Matthew  
Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
p. 200, pl. II, figs. 1a-f (specimen B = 1d).  
Walcott, C.D., U.S.G.S., Mono. 51, pl. XXXV, fig. 5-  
5h (specimen B = 5c).  
Lower Cambrian, Upper Etcheminian.  
Dugald brook, Escasonie, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7781.

LINGULELLA ATAVA (Matthew) -- Cotypes 7  
*Leptobolus atavus* Matthew  
Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
p. 200, pl. II, figs. 1a-f.  
Lower Cambrian, Upper Etcheminian.  
Dugald Brook, Escasonie, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7803

- LINGULELLA ATAVA (Matthew) -- Cotypes 6  
*Leptobolus atavus* Matthew  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
 p. 200, pl. II, figs. 1a-f.  
 Lower Cambrian, Upper Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7766.
- LINGULELLA ATAVA INSULAE (Matthew) -- Cotypes 8  
*Leptobolus atavus insulae* Matthew  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 110, pl. VI, figs. 4a-c.  
 Lower Cambrian, Lower Etcheminian.  
 Young (McFee's) pt., near George river, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8309.
- LINGULELLA ATAVA INSULAE (Matthew) -- Cotype  
*Leptobolus atavus insulae* Matthew  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 110, pl. VI, figs. 4a-c.  
 Lower Cambrian, Lower Etcheminian.  
 Young (McFee's) pt., near George river, Nova Scotia.  
 Cotype - Roy. Ont. Mus. Pal. 8548.
- LINGULELLA COLLICIA (Matthew) -- Cotypes 4  
*Leptobolus? collicia* Matthew  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
 p. 200, pl. I, figs. 3a-e.  
 Walcott, C.D., U.S.G.S., Mon. 51, pl. XXV, figs. 1,  
 1a, 1b (specimen B = fig. 1b).  
 Lower Cambrian, Upper Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8294.
- LINGULELLA COLLICIA (Matthew) -- Cotypes 5  
*Leptobolus? collicia* Matthew  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
 p. 200, pl. I, figs. 3a-e.  
 Walcott, C.D., U.S.G.S., Mon. 51, pl. XXV, figs. 1,  
 1a, 1b (specimen A & D = figs. 1, 1a).  
 Lower Cambrian, Upper Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7793.



LINGULELLA COLLICIA COLLIS (Matthew) -- Cotypes 2

*Leptobolus? collicia collis* Matthew

Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," pp. 114-115.

Lower Cambrian, Upper Etcheminian.

Indian brook, Escasonie, Nova Scotia.

Cotypes - Roy. Ont. Mus. Pal. 8481.

LINGULELLA CONCINNA Matthew -- Cotype

Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1900,  
p. 273, pl. V, figs. 2a-b (specimen = fig. 2a).

Lower Ordovician, Bretonian.

McLeod brook, Boisdale, Nova Scotia.

Cotype - Roy. Ont. Mus. Pal. 7952.

LINGULELLA CUNEATA (Matthew) -- Cotypes 7

*Lingulepis cuneata* Matthew

Matthew, G.F., Trans. Roy. Soc. Can., Vol. XI, Sect.  
IV, 1893, p. 92, pl. XVI, figs. 5a-b.

Middle Cambrian, Acadian.

Hardingville, New Brunswick.

Cotypes - Roy. Ont. Mus. Pal. 8362.

LINGULELLA DAWSONI Matthew -- Cotypes 4

Matthew, G.F., Trans. Roy. Soc. Can., Vol. III,  
Sect. IV, 1885, p. 33, pl. V, figs. 9a-d.

Middle Cambrian, Acadian.

St. John, New Brunswick.

Cotypes - Roy. Ont. Mus. Pal. 7741.

LINGULELLA EXIGUA -- Cotypes 5

*Lingulepis starri exigua* Matthew

Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," p. 197, pl. XIV, figs. 3a-d (specimen  
B = 3b).

Upper Cambrian, Johannian.

McLean brook, Mira river, Nova Scotia.

Cotypes - Roy. Ont. Mus. Pal. 7987.

- LINGULELLA FLUMENIS (Matthew) -- Cotypes 5  
*Leptobolus flumenis* Matthew  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 189, pl. XI, figs. 7a-f.  
 Middle Cambrian, Acadian.  
 McNeill brook, Mira river, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8367.
- LINGULELLA GRANDIS (Matthew) -- Cotypes 17  
*Leptobolus grandis* Matthew  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. XI, Sect.  
 IV, 1893, p. 91, pl. XVI, figs. 7a-c.  
 Lower Ordovician, Bretonian.  
 Hardingsville, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 8105.
- LINGULELLA GREGWA (Matthew) -- Cotypes 6  
*Lingulepis gregwa* Matthew  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
 p. 199, pl. I, figs. 1a-f.  
 Lower Cambrian, Lower Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7697.
- LINGULELLA GREGWA (Matthew) -- Cotypes 6  
*Lingulepis gregwa* Matthew  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
 p. 199, pl. I, figs. 1a-f.  
 Lower Cambrian, Lower Etcheminian.  
 Boundary brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8555.
- LINGULELLA GREGWA (Matthew) -- Cotypes 11  
*Lingulepis gregwa* Matthew  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
 p. 199, pl. I, figs. 1a-f.  
 Lower Cambrian, Lower Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7890.

LINGULELLA GREGWA (Matthew) -- Cotypes 3

*Lingulepis gregwa* Matthew

Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
p. 199, pl. I, figs. 1a-f.

Lower Cambrian, Lower Etcheminian.

Boundary brook, Escasonie, Nova Scotia.

Cotypes - Roy. Ont. Mus. Pal. 8462.

LINGULELLA GREGWA (Matthew) -- Cotypes 7

*Lingulepis gregwa* Matthew

Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
p. 199, pl. I, figs. 1a-f.

Lower Cambrian, Lower Etcheminian.

Boundary brook, Escasonie, Nova Scotia.

Cotypes - Roy. Ont. Mus. Pal. 7729.

LINGULELLA GREGWA ROBUSTA (Matthew) -- Cotypes 4

*Lingulepis gregwa* Matthew

Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," p. 131.

Lower Cambrian, Lower Etcheminian.

Dugald brook, Escasonie, Nova Scotia.

Cotypes - Roy. Ont. Mus. Pal. 7695.

LINGULELLA GREGWA ROBUSTA (Matthew) -- Cotypes 4

*Lingulepis gregwa* Matthew

Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," p. 131.

Lower Cambrian, Lower Etcheminian.

Dugald brook, Escasonie, Nova Scotia.

Cotypes - Roy. Ont. Mus. Pal. 7714.

LINGULELLA LAEVIS Matthew -- Cotypes 3

Matthew, G.F., Trans. Roy. Soc. Can., Vol. IX, Sect.  
IV, 1891, p. 39, pl. XII, figs. 4a, b (specimen B =  
fig. 4a; C = 4b).

Walcott, C.D., U.S.G.S., Mon. 51, p. 512, pl. XIX,  
figs. 4, 4a, 4b (specimen A = fig. 4b; B = 4a; C = 4).

Lower Ordovician, Bretonian.

St. John West, New Brunswick.

Cotypes - Roy. Ont. Mus. Pal. 7973.

- LINGULELLA LAEVIS GRANDIS Matthew -- Cotypes 2  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 200, pl. XV, figs. 1a,d (specimen  
 A = 1d; B = 1a).  
 Walcott, C.D., U.S.G.S., Mon. 51, p. 512, pl. XIX,  
 fig. 4c (specimen A = 4c).  
 Lower Ordovician, Bretonian.  
 St. John West, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7974.
- LINGULELLA LENS (Matthew) -- Cotypes 2  
*Lingula? lens* Matthew  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1900,  
 p. 274, pl. V, figs. 3a-h.  
 Lower Cambrian, Upper Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7769.
- LINGULELLA LINGULOIDES (Matthew) -- Cotypes 2  
*Leptobolus linguloides* Matthew  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. III, Sect.  
 IV, 1885, p. 34, pl. V, figs. 8, 8a, 8b.  
 Middle Cambrian, Acadian.  
 Porter's brook, St. Martins, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7738.
- LINGULELLA LONGINERVIS Matthew -- Cotypes 4  
*Lingulepis longinervis* (Matthew)  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 133, pl. VII, figs. 6a-g (specimen  
 C = 6e).  
 Lower Cambrian, Lower Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7696.
- LINGULELLA LONGINERVIS Matthew -- Cotypes 5  
*Lingulepis longinervis* (Matthew)  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 133, pl. VII, figs. 6a-g (specimen  
 C = 6b).  
 Lower Cambrian, Lower Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7713.

LINGULELLA LONGOVALIS Matthew -- Cotypes 6  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," p. 123, pl. VII, figs. 3a-f.  
Lower Cambrian, Lower Etcheminian.  
Dugald brook, Escasonie, Nova Scotia.  
Cotypes - Roy. Ont. Mus. Pal. 7698.

LINGULELLA cf. LONGOVALIS Matthew -- Holotype  
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
Cape Breton," p. 75, pl. VII, fig. 2.  
Lower Cambrian?, Coldbrookian.  
Dugald brook, Escasonie, Nova Scotia.  
Holotype - Roy. Ont. Mus. Pal. 7732.

LINGULELLA MARTINENSIS Matthew -- Cotypes 6  
Matthew, G.F., Trans. Roy. Soc. Can., Vol. VII, Sect.  
IV, p. 155, pl. VIII, fig. 4.  
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. IV, p.  
113, pl. II, figs. 6a-d.  
Middle Cambrian, Acadian.  
Hanford brook, St. Martins, New Brunswick.  
Cotypes - Roy. Ont. Mus. Pal. 7759.

LINGULELLA MARTINENSIS Matthew -- Cotypes 2  
Matthew, G.F., Trans. Roy. Soc. Can., Vol. VII, Sect.  
IV, p. 155, pl. VIII, fig. 4.  
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. IV, p.  
113, pl. II, figs. 6a-d.  
Middle Cambrian, Acadian.  
Hanford brook, St. Martins, New Brunswick.  
Cotypes - Roy. Ont. Mus. Pal. 7684.

LINGULELLA MINOR (Matthew) -- Cotypes 2  
*Lingulella starri minor* Matthew  
Matthew, G.F., Trans. Roy. Soc. Can., Vol. IX, Sect.  
IV, p. 58, pl. XII, figs. 5a-b (specimen A = 5b;  
C = 5a).  
Upper Cambrian, Johannian.  
Long island, King's county, New Brunswick.  
Cotypes - Roy. Ont. Mus. Pal. 8054.

- LINGULELLA PUMILA (Matthew) -- Cotypes 6  
*Lingulepis pumila* Matthew  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 75, pl. VII, figs. 5a-b (specimen  
 A = 5a; C = 5b).  
 Lower Cambrian, Coldbrookian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7733.
- LINGULELLA RADULA Matthew -- Cotypes 6  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. VIII, Sect.  
 IV, 1890, p. 147, pl. XV, figs. 7a-b; 8a-e.  
 Upper Cambrian, Johannian.  
 Courtney bay, St. John, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7989.
- LINGULELLA RADULA ASPERA Matthew -- Cotypes 2  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 204, pl. XV, figs. 2a-d.  
 Upper Cambrian, Johannian.  
 McNeil brook, Mira river, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8053.
- LINGULELLA ROBERTI (Matthew) -- Cotypes 6  
*Lingulepis roberti* Matthew  
 Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol.  
 I, Sect. IV, 1895, p. 256, pl. I, figs. 2a-b.  
 Lower Cambrian, Lower Etcheminian.  
 Young (McFee's) pt., near George river, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7725.
- LINGULELLA SELWYNI Matthew -- Cotypes 6  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. I, Sect.  
 IV, 1895, p. 255, pl. I, figs. 1a-b.  
 Walcott, C.D., U.S.G.S., Mon. 51, p. 413, pl. XXXVI,  
 figs. 1-2b; pl. XXXVII, figs. 1-1f.  
 Lower Cambrian, Lower Etcheminian.  
 Young (McFee's) pt., near George river, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7727.

LINGULELLA SELWYNI Matthew -- Cotypes 3  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. I, Sect.  
 IV, 1895, p. 255, pl. I, figs. 1a-b.  
 Walcott, C.D., U.S.G.S., Mon. 51, p. 413, pl. XXXVI,  
 figs. 1-2b; pl. XXXVII, figs. 1-lf.  
 Lower Cambrian, Lower Etcheminian.  
 Young (McFee's) pt., near George river, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7739.

LINGULELLA SELWYNI Matthew -- Cotypes 4  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. I, Sect.  
 IV, 1895, p. 255, pl. I, figs. 1a-b.  
 Walcott, C.D., U.S.G.S., Mon. 51, p. 413, pl. XXXVI,  
 figs. 1-2b; pl. XXXVII, figs. 1-lf.  
 Lower Cambrian, Lower Etcheminian.  
 Young (McFee's) pt., near George river, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7742.

LINGULELLA SELWYNI Matthew -- Cotypes 5  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. I, Sect.  
 IV, 1895, p. 255, pl. I, figs. 1a-b.  
 Walcott, C.D., U.S.G.S., Mon. 51, p. 413, pl. XXXVI,  
 figs. 1-2b; pl. XXXVII, figs. 1-lf.  
 Lower Cambrian, Lower Etcheminian.  
 Young (McFee's) pt., near George river, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8547.

LINGULELLA SEPTALIS (Walcott) -- Cotype  
*Obolus septalis* Walcott  
 Walcott, C.D., U.S.G.S., Mon. 51, p. 414, pl. XXXIV, fig. 2.  
 Middle Cambrian, Stephen limestone.  
 Mt. Stephen, British Columbia.  
 Cotype - Roy. Ont. Mus. Pal. 8579.

LINGULELLA STARRI (Matthew) -- Metatypes 7  
*Lingulepis starri* Matthew  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. VIII, Sect.  
 IV, 1890, p. 146.  
 Walcott, C.D., U.S.G.S., Mon. 51, p. 559, pl. XXXVII,  
 figs. 2, 2a, b.  
 Upper Cambrian, Johannian.  
 St. John, New Brunswick.  
 Metatypes - Roy. Ont. Mus. Pal. 8045.

LINGULELLA TORRENTIS (Matthew) -- Cotypes 3  
*Obolus torrentis* Matthew  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 76, pl. VIII, fig. 1.  
 Lower Cambrian, Coldbrookian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7731.

LINGULELLA TRIPARILIS (Matthew) -- Cotypes 3  
*Obolus triparilis* Matthew  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 136, pl. VIII, figs. 4a-b; pl. IX,  
 figs. 1a-b.  
 Lower Cambrian, Lower Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8140.

LINGULELLA TRIPARILIS (Matthew) -- Cotypes 5  
*Obolus triparilis* Matthew  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 136, pl. VIII, figs. 4a-b; pl. IX,  
 figs. 1a-b.  
 Lower Cambrian, Lower Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8308.

LINGULELLA TUMIDA Matthew -- Cotypes 3  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899,  
 p. 200, pl. I, figs. 2a,c.  
 Lower Cambrian, Upper Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8178.

LINGULODISCINA MISSOURIENSIS (Shumard) -- Paratypes 3  
*Discina missouriensis* Shumard  
 Shumard, G.G., St. Louis Acad. Sci. Trans., 1858,  
 Vol. I, p. 221.  
 Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 22.  
 Upper Carboniferous, Park City formation.  
 Thomas Fork, Wyoming.  
 Paratypes - Roy. Ont. Mus. Pal. 6356.



LINGULODISCINA UTAHENSIS (Meek) -- Paratype

*Discina utahensis* Meek

Meek, F.B., U.S.G.S. Expl. 40th Par., Rept., Vol. IV, 1877, p. 99.

Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 24.

Upper Carboniferous, Park City formation.

Weber Canyon, Utah.

Paratype - Roy. Ont. Mus. Pal. 6357.

MONOBOLINA REFULGENS (Matthew) -- Cotypes 23

*Obolus refulgens* Matthew

Matthew, G.F., Trans. Roy. Soc. Can., Vol. IX, Sect. IV, 1891, p. 44, pl. XII, figs. 6a-d.

Lower Ordovician, Bretonian.

Navy island, St. John, New Brunswick.

Cotypes - Roy. Ont. Mus. Pal. 7954.

OBOLELLA sp. Matthew -- Holotype

Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1907, p. 170.

Lower Cambrian, Upper Etcheminian.

Dugald brook, Nova Scotia.

Holotype - Roy. Ont. Mus. Pal. 8245.

OBOLUS AEQUIPUTEIS Matthew -- Cotypes 5

Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks Cape Breton," p. 139, pl. VIII, figs. 2a-d.

Lower Cambrian, Lower Etcheminian.

Young (McFee's) pt., near George river, Nova Scotia.

Cotypes - Roy. Ont. Mus. Pal. 8307.

OBOLUS DISCUS Matthew -- Cotypes 5

Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks Cape Breton," p. 138, pl. VIII, figs. 3a-d.

Lower Cambrian, Lower Etcheminian.

Dugald brook, Escasonie, Nova Scotia.

Cotypes - Roy. Ont. Mus. Pal. 8236.

- OBOLUS ESCASONI (Matthew) -- Cotypes 6  
*Linguiella? escasoni* Matthew  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1900,  
 p. 270, pl. V, figs. 1a-i.  
 Lower Ordovician, Bretonian.  
 McAdam shore, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8412.
- ORTHIS CARAUSII Salter -- Plesiotype  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. X, Sect.  
 IV, 1892, p. 102, pl. VII, fig. 7a.  
 Lower Ordovician, Bretonian.  
 Navy island, St. John, New Brunswick.  
 Plesiotype - Roy. Ont. Mus. Pal. 8059.
- ORTHIS EURYONE Billings -- Plesiotypes 2  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. X, Sect.  
 IV, 1892, p. 101, pl. VII, fig. 5.  
 Lower Ordovician, Bretonian.  
 Reversible falls, St. John, New Brunswick.  
 Plesiotypes - Roy. Ont. Mus. Pal. 7970.
- ORTHIS PANDERIANA Hall & Clarke -- Plesiotype  
*Orthis orthambonites* Verneuil  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. X, Sect.  
 IV, 1892, p. 101, pl. VII, fig. 4.  
 Lower Ordovician, Bretonian.  
 Reversible falls, St. John, New Brunswick.  
 Plesiotype - Roy. Ont. Mus. Pal. 7969.
- ORUSIA ATAVA (Matthew) -- Cotypes 7  
*Strophomena atava* Matthew  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. X, Sect.  
 IV, 1892, p. 102, pl. VII, figs. 8a-f.  
 Lower Ordovician, Bretonian.  
 Navy island, St. John, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7975.

ORUSIA JOHANNENSIS (Matthew) -- Cotypes 2

*Orthisina? johannensis* Matthew

Matthew, G.F., Trans. Roy. Soc. Can., Vol. IX, Sect. IV, 1891, p. 49, pl. XII, figs. 13a-c.

Lower Ordovician, Bretonian.

Germain street, St. John, New Brunswick.

Cotypes - Roy. Ont. Mus. Pal. 8060.

ORUSIA LENTICULARIS (Wahl.) -- Plesiotypes 3

*Anomites lenticularis* Wahl.

Matthew, G.F., Trans. Roy. Soc. Can., Vol. IX, Sect. IV, 1891, p. 46, pl. XII, figs. 9a-d.

Lower Ordovician, Bretonian.

McLeod brook, Boisdale, Nova Scotia.

Plesiotypes - Roy. Ont. Mus. Pal. 7978.

ORTHORHYNCHULA BIDWELLENSIS Way -- Cotypes 28

Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin island," 1936, p. 85, pl. III, figs. 1-19.

Lower Silurian, Bidwell member, Cataract.

Manitoulin island, Ontario.

Cotypes - Roy. Ont. Mus. Pal. 7518.

PALAEOBOLUS BRETONENSIS Matthew -- Cotypes 6

Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899, p. 202, pl. II, figs. 2b and e.

Walcott, C.D., U.S.G.S., Mon. 51, p. 426, pl. XXXII, fig. 5a.

Lower Cambrian, Upper Etcheminian.

Dugald brook, Escasonie, Nova Scotia.

Cotypes - Roy. Ont. Mus. Pal. 7780.

PALAEOBOLUS BRETONENSIS Matthew -- Cotypes 9

Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1899, p. 202, pl. II, figs. 2a and d.

Walcott, C.D., U.S.G.S., Mon. 51, p. 426, pl. XXXII, fig. 5d.

Lower Cambrian, Upper Etcheminian.

Dugald brook, Escasonie, Nova Scotia.

Cotypes - Roy. Ont. Mus. Pal. 7814.

- PALAEOBOLUS LENS Matthew -- Cotypes 6  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 144, pl. X, figs. 1a-f.  
 Lower Cambrian, Upper Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8334.  
 (Regarded by Walcott as variety of *P. bretonensis* )
- PALAEOBOLUS LENS LONGUS Matthew -- Cotypes 4  
 Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks  
 Cape Breton," p. 146, pl. VII, figs. 4a,b.  
 Lower Cambrian, Upper Etcheminian.  
 Dugald brook, Escasonie, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 8470.
- PHOLIDOPS CINCINNATIENSIS Hall -- Plesiotypes 3  
 Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
 Vol. XXX, pt. VII, 1921, p. 31, pl. VII, fig. 6.  
 Upper Ordovician, Dundas.  
 Don Valley brickyard, Toronto, Ontario.  
 Plesiotypes - Roy. Ont. Mus. Pal. 17349.
- PLATYSTROPHIA DAYTONENSIS Foerste -- Plesiotype  
 Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin  
 island," 1936, p. 53, pl. IV, fig. 12.  
 Lower Silurian, Bidwell member, Cataract.  
 Manitoulin island, Ontario.  
 Plesiotype - Roy. Ont. Mus. Pal. 7522.
- PRODUCTUS EUCHARIS Girty -- Paratype  
 Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 28.  
 Upper Carboniferous, Park City formation.  
 Montpelier, Idaho.  
 Paratype - Roy. Ont. Mus. Pal. 6360.
- PRODUCTUS MONTPELIERENSIS Girty -- Paratype  
 Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 30.  
 Upper Carboniferous, Park City formation.  
 Montpelier, Idaho.  
 Paratype - Roy. Ont. Mus. Pal. 6361.

- PRODUCTUS PHOSPHATICUS Girty -- Paratype  
 Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 29.  
 Upper Carboniferous, Park City formation.  
 Montpelier, Idaho.  
 Paratype - Roy. Ont. Mus. Pal. 6373.
- PROTORTHIS LATOURENSIS (Matthew) -- Cotypes 13  
*Kutorgina latourensis* Matthew  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. III, Sect.  
 IV, 1885, p. 42, pl. V, figs. 18a-b.  
 Walcott, C.D., U.S.G.S., Mon. 51, p. 741, pl. XCIX,  
 figs. 3, 3b, 3c.  
 Middle Cambrian, Acadian.  
 St. John, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7877.
- PROTORTHIS QUACOENSIS (Matthew) -- Cotypes 2  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. III, Sect.  
 IV, 1885, p. 43, pl. V, figs. 20, a, b, c.  
 Middle Cambrian, Acadian.  
 Porter's brook, St. Martins, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7871.
- PUGNAX WEEKSI Girty -- Paratypes 9  
 Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 31.  
 Upper Carboniferous, Park City formation.  
 Montpelier, Idaho.  
 Paratypes - Roy. Ont. Mus. Pal. 6354.
- PUGNAX WEEKSI NOBILIS Girty -- Paratype  
 Girty, G.H., U.S.G.S., Bull. 436, 1910, p. 32.  
 Upper Carboniferous, Park City formation.  
 Montpelier, Idaho.  
 Paratype - Roy. Ont. Mus. Pal. 6362.
- RAFINESQUINA ALTERNATA (Emmons) -- Plesiotype  
*Strophomena alternata* Emmons  
 Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
 Vol. XXX, pt. VII, 1921, p. 36, pl. VII, fig. 18.  
 Upper Ordovician, Dundas.  
 Humber river, Bloor street, Toronto, Ontario.  
 Plesiotype - Roy. Ont. Mus. Pal. 17353.

RAFINESQUINA ALTERNATA SUBCIRCULARIS Dyer -- Holotype  
Dyer, W.S., 32nd Ann. Rep. Ont. Dept. Mines, Vol.  
XXXII, pt. V, 1923, p. 73, pl. VII, fig. 14.  
Upper Ordovician, Meaford.  
Credit river, Streetsville, Ontario.  
Holotype - Roy. Ont. Mus. Pal. 12173.

RAFINESQUINA MUCRONATA TORONTONENSIS Parks & Dyer --  
Cotypes 2  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 38, pl. VII, figs. 13, 14.  
Upper Ordovician, Dundas.  
Weston, Ontario.  
Cotypes - Roy. Ont. Mus. Pal. 17354.

RAFINESQUINA MUCRONATA TORONTONENSIS Parks & Dyer-Cotype  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 38, pl. VII, fig. 17.  
Upper Ordovician, Dundas.  
Humbervale quarry, Ontario.  
Cotype - Roy. Ont. Mus. Pal. 17355.

RHYNCHOSPIRA LOWI Whiteaves -- Plesiotypes 3  
Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin  
island," 1936, p. 74, pl. IV, figs. 13, 14, 15.  
Middle Silurian, Burnt Bluff, Clinton.  
Manitoulin island, Ontario.  
Plesiotypes - Roy. Ont. Mus. Pal. 21953.

RUSTELLA? MAJOR (Matthew) -- Holotype  
*Obolus? major* Matthew  
Matthew, G.F., Trans. Roy. Soc. Can., Vol. VII, Sect.  
IV, p. 155, pl. VIII, fig. 3.  
Walcott, C.D., U.S.G.S., Mon. 51, p. 328, fig. 19.  
Lower Cambrian, Upper Etcheminian.  
Hanford brook, St. Martins, New Brunswick.  
Holotype - Roy. Ont. Mus. Pal. 8490.

- SCHIZAMBON PRISCUS Matthew -- Cotypes 6  
 Matthew, G.F., Bull. Nat. Hist. N.B., Vol. IV, 1900,  
 p. 277, pl. V, figs. 4a-d.  
 Lower Ordovician, Bretonian.  
 McLeod brook, Boisdale, Nova Scotia.  
 Cotypes - Roy. Ont. Mus. Pal. 7950.
- SCHIZOCRANIA FILOSA (Hall) -- Plesiotypes 3  
*Orbicula? filosa* Hall  
 Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
 Vol. XXX, pt. VII, 1921, p. 28, pl. VII, figs. 4, 5.  
 Upper Ordovician, Dundas.  
 Don Valley brickyard, Toronto, Ontario.  
 Plesiotypes - Roy. Ont. Mus. Pal. 17347.
- SCHUCHERTELLA PLICATA Way -- Plesiotypes 3  
 Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin  
 island," 1936, p. 88, pl. IV, figs. 1-5.  
 Lower Silurian, Bidwell member, Cataract.  
 Manitoulin island, Ontario.  
 Plesiotypes - Roy. Ont. Mus. Pal. 7525.
- SOWERBYELLA cf. RUGOSA (James) -- Plesiotypes 4  
*Leptaena rugosa* James  
 Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
 Vol. XXX, pt. VII, 1921, p. 35, pl. VII, fig. 11.  
 Upper Ordovician, Dundas.  
 Don Valley brickyard, Toronto, Ontario.  
 Plesiotypes - Roy. Ont. Mus. Pal. 17352.
- SOWERBYELLA SERICEA (Sowerby) -- Plesiotype  
*Leptaena rhomboidalis* Wilckens  
 Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
 Vol. XXX, pt. VII, 1921, p. 35, pl. VII, figs. 15, 16.  
 Upper Ordovician, Dundas.  
 Don Valley brickyard, Toronto, Ontario.  
 Plesiotype - Roy. Ont. Mus. Pal. 17350.  
 (On slab with *Leptaena rhomboidalis* )

SPIRIFER SULCATA SUBMERSA Grabau -- Cotype  
Grabau, A.W., Michigan Geol. & Biol. Sur., Publica-  
tion 2, Geol. ser. 1, 1909, p. 136, pl. XVIII, fig. 6.  
Middle Devonian, Upper Monroe.  
Detroit river, opposite Amherstburg, Ontario.  
Cotype - Roy. Ont. Mus. Pal. 22500.

STROPHEODONTA DEMISSA HOMALOSTRIATUS -- Cotypes 2  
Grabau, A.W., Michigan Geol. & Biol. Sur., Publica-  
tion 2, Geol. ser. 1, 1909, p. 126, pl. XVII, fig. 6.  
Middle Devonian, Upper Monroe.  
Detroit river, opposite Amherstburg, Ontario.  
Cotypes - Roy. Ont. Mus. Pal. 22492.

STROPHEODONTA VASCULOSA Grabau -- Cotype  
Grabau, A.W., Michigan Geol. & Biol. Sur., Publica-  
tion 2, Geol. ser. 1, 1909, p. 124, pl. XVII, figs.  
8, 9.  
Middle Devonian, Upper Monroe.  
Detroit river, opposite Amherstburg, Ontario.  
Cotype - Roy. Ont. Mus. Pal. 22439.

STROPHEODONTA VASCULOSA Grabau -- Cotype  
Grabau, A.W., Michigan Geol. & Biol. Sur., Publica-  
tion 2, Geol. ser. 1, 1909, p. 124, fig. 11.  
Middle Devonian, Upper Monroe.  
Detroit river, opposite Amherstburg, Ontario.  
Cotype - Roy. Ont. Mus. Pal. 22511.

STROPHEODONTA *sp. indet* Parks -- Holotype  
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, pt. I,  
No. 25, 1915, p. 49, pl. IV, fig. 17.  
Middle Silurian.  
Limestone rapids, Fawn river, Ontario.  
Holotype - Roy. Ont. Mus. Pal. 22657.

STROPHEODONTA *sp. indet* Parks -- Holotype  
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, pt. I,  
No. 25, 1915, p. 49, pl. IV, fig. 18.  
Middle Silurian.  
Limestone rapids, Severn river, Ontario.  
Holotype - Roy. Ont. Mus. Pal. 22658.



STROPHOMENA? TETRASTRIATA Parks -- Cotypes 3  
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, pt. I,  
No. 25, 1915, p. 16, pl. IV, fig. 16.  
Ordovician.  
Lower rapids, Shamattawa river, Manitoba.  
Cotypes - Roy. Ont. Mus. Pal. 22648.

STROPHOMENA PLANUMBONA ERINDALENSIS Dyer -- Holotype  
Dyer, W.S., 32nd Ann. Rep. Ont. Dept. Mines, Vol.  
XXXII, pt. VII, 1923, p. 74, pl. VII, fig. 16.  
Upper Ordovician, Meaford.  
Mullet creek, Erindale, Ontario.  
Holotype - Roy. Ont. Mus. Pal. 12174.  
(On slab with holotype of *S. varsensis* Dyer)

STROPHOMENA VARSENSIS Dyer -- Holotype  
Dyer, W.S., 32nd Ann. Rep. Ont. Dept. Mines, Vol.  
XXXII, pt. VII, 1923, p. 75, pl. VII, fig. 13.  
Upper Ordovician, Meaford.  
Mullet creek, Erindale, Ontario.  
Holotype - Roy. Ont. Mus. Pal. 12174.  
(On slab with *S. planumbona erindalensis* Dyer)

TREMATIS MILLEPUNCTATA Hall -- Plesiotypes 4  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 30, pl. VI, fig. 1; pl.  
VII, figs. 7, 8.  
Upper Ordovician, Dundas.  
Don Valley brickyard, Toronto, Ontario.  
Plesiotypes - Roy. Ont. Mus. Pal. 17348.

TREMATOBOLUS INSIGNIS Matthew -- Cotypes 2  
Matthew, G.F., Trans. Roy. Soc. Can., Vol. XI, Sect.  
IV, 1893, p. 88, pl. XVI, figs. 4a-d (spec. A =  
fig. 4a).  
Middle Cambrian, Acadian.  
Hanford brook, St. Martins, New Brunswick.  
Cotypes - Roy. Ont. Mus. Pal. 8476.

- TREMATOBOLUS INSIGNIS Matthew -- Cotypes 2  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. XI, Sect.  
 IV, 1893, p. 88, pl. XVI, figs. 4a-d (spec. A =  
 fig. 4b).  
 Middle Cambrian, Acadian.  
 Hanford brook, St. Martins, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 8432.
- TREMATOBOLUS KEMPANUM (Matthew) -- Cotypes 13  
*Protosiphon kempanum* Matthew  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. IV, Sect.  
 IV, 1898, p. 129, pl. I, figs. 1a-f.  
 Middle Cambrian, Acadian.  
 Long island, King's county, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7806.
- TREMATOBOLUS KEMPANUM (Matthew) -- Cotypes 9  
*Protosiphon kempanum* Matthew  
 Matthew, G.F., Trans. Roy. Soc. Can., Vol. XI, Sect.  
 IV, 1898, p. 129, pl. I, figs. 1a-f.  
 Middle Cambrian, Acadian.  
 Long island, King's county, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7816.
- TREMATOBOLUS PRISTINUS (Matthew) -- Cotype  
*Obolus pristinus* Matthew  
 Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,  
 1895, p. 121, pl. IV, fig. 1c.  
 Middle Cambrian, Acadian.  
 Hanford brook, St. Martins, New Brunswick.  
 Cotype - Roy. Ont. Mus. Pal. 7686.
- TREMATOBOLUS PRISTINUS (Matthew) -- Cotype  
*Obolus pristinus* Matthew  
 Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,  
 1895, p. 121, pl. IV, fig. 1a.  
 Middle Cambrian, Acadian.  
 Hanford brook, St. Martins, New Brunswick.  
 Cotype - Roy. Ont. Mus. Pal. 7685.

- TREMATOBOLUS PRISTINUS (Matthew) -- Cotypes 3  
*Obolus pristinus* Matthew  
 Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,  
 1895, p. 121, pl. IV, fig. 1e (spec. B).  
 Middle Cambrian, Acadian.  
 Hanford brook, New Brunswick.  
 Cotypes - Roy. Ont. Mus. Pal. 7812.
- WHITFIELDDELLA EHLERSI Way -- Cotypes 2  
 Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin  
 island," 1936, p. 89, pl. IV, figs. 16,17.  
 Middle Silurian, Burnt Bluff, Clinton.  
 Manitoulin island, Ontario.  
 Cotypes - Roy. Ont. Mus. Pal. 21954.
- WHITFIELDDELLA OVOIDES Savage -- Plesiotype  
 Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin  
 island," 1936, p. 93, pl. IV, figs. 6,7.  
 Lower Silurian, Bidwell member, Cataract.  
 Manitoulin island, Ontario.  
 Plesiotype - Roy. Ont. Mus. Pal. 7521.
- WHITFIELDDELLA PARVUS Shaw -- Cotypes 2  
 Shaw, E.W., Trans. Roy. Can. Inst., Vol. XXI, p. 357,  
 pl. XXIV, figs. 4,5,6.  
 Middle Silurian, Eramosa formation.  
 Guelph, Ontario.  
 Cotypes - Roy. Ont. Mus. Pal. 5643.
- WHITFIELDDELLA QUADRIPLICATA Way -- Cotypes 7  
 Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin  
 island," 1936, p. 90, pl. III, figs. 27-30.  
 Lower Silurian, Bidwell member, Cataract.  
 Manitoulin island, Ontario.  
 Cotypes - Roy. Ont. Mus. Pal. 7523.
- ZYGOSPIRA CINCINNATIENSIS Meek -- Plesiotype  
 Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
 Vol. XXX, pt. VII, 1921, p. 41, pl. VII, fig. 21.  
 Upper Ordovician, Dundas.  
 Don Valley brickyard, Toronto, Ontario.  
 Plesiotype - Roy. Ont. Mus. Pal. 17356.

- ZYGOSPIRA CINCINNATIENSIS Meek -- Plesiotype  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 41, pl. VII, fig. 23.  
Upper Ordovician, Dundas.  
Don Valley brickyard(?), Toronto, Ontario.  
Plesiotype - Roy. Ont. Mus. Pal. 16889.
- ZYGOSPIRA CINCINNATIENSIS Meek -- Plesiotypes 11  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 41, pl. VII, fig. 20.  
Upper Ordovician, Dundas.  
Don Valley brickyard, Toronto, Ontario.  
Plesiotypes - Roy. Ont. Mus. Pal. 16848.
- ZYGOSPIRA ERRATICA Hall -- Plesiotypes 3  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 42, pl. VII, figs. 24, 25.  
Upper Ordovician, Dundas.  
Humber river, Toronto, Ontario.  
Plesiotypes - Roy. Ont. Mus. Pal. 17357.
- ZYGOSPIRA MODESTA Hall -- Plesiotypes 2  
Parks, W.A., & Dyer, W.S., 30th Ann. Rep. Ont. Dept. Mines,  
Vol. XXX, pt. VII, 1921, p. 40, pl. VII, figs. 19, 22.  
Upper Ordovician, Dundas.  
Don Valley brickyard, Toronto, Ontario.  
Plesiotypes - Roy. Ont. Mus. Pal. 16888.
- ZYGOSPIRA RICHMONDENSIS Caley -- Holotype  
Caley, J.F., Geol. Sur. Can., Mem. 202, 1936, p. 78.  
pl. I, figs. 4, 6.  
Upper Ordovician, Kagawong.  
High falls, Manitoulin island, Ontario.  
Holotype - Roy. Ont. Mus. Pal. 12448.
- ZYGOSPIRA RICHMONDENSIS -- Topotypes 3  
Caley, J.F., Geol. Sur. Can., Mem. 202, 1936, p. 78,  
Upper Ordovician, Kagawong.  
High falls, Manitoulin island, Ontario.  
Topotypes - Roy. Ont. Mus. Pal. 12449.

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